

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Claims 1-20 (Canceled)

21. (Previously presented) A method of communicating a print file over a network, the method comprising:

providing system software for use on a client, wherein the system software includes:

a print driver for generating the print file based on a document in response to a print request received from an application; and

an upload manager that automatically transfers the print file over the network in response to the print request using at least one of the HyperText Transport Protocol (HTTP) or the HyperText Transport Protocol Secure (HTTPS); and
on a server on the network:

receiving an upload begin request for the print file;

executing the upload begin request;

launching an object based on the upload begin request;

creating an identification of the print file using the object;

generating an upload begin response that comprises the identification;

transmitting the upload begin response over the network; and

receiving an upload request that includes the identification and a data packet comprising at least a portion of the print file.

22. (Previously presented) The method of claim 21, further comprising, on the server:

storing the data packet;
generating an upload response based on the upload request; and
transmitting the upload response over the network.

23. (Previously presented) The method of claim 21, further comprising, on the server:

determining that the upload request includes an error;
generating an upload response indicating an error occurrence; and
transmitting the upload response over the network.

24. (Previously presented) The method of claim 23, further comprising, on the server, receiving a subsequent transmission of the upload request.

25. (Previously presented) The method of claim 24, further comprising, on the server:

determining that the subsequent transmission includes an error;
determining that a predetermined number of retry attempts have been performed;
generating an upload resume request that includes the identification; and
transmitting the upload resume request over the network.

26. (Previously presented) The method of claim 21, further comprising, on the server:

receiving an upload complete response; and
storing the print file in a network database.

27. (Previously presented) The method of claim 21, further comprising, on the client:

receiving a request to communicate the print file to the server at the upload manager; and
with the upload manager:
generating the upload begin request in response to the request; and
transmitting the upload begin request over the network.

28. (Previously presented) A method of transmitting a print file over a network, the method comprising, on a client on the network:

receiving a print request for a document from an application;
generating the print file based on the document in response to the print request; and
automatically transferring the print file over the network in response to the print request
using at least one of the HyperText Transport Protocol (HTTP) or the HyperText Transport
Protocol Secure (HTTPS), wherein the automatically transferring step includes:
generating an upload begin request for the print file;
transmitting the upload begin request over the network;
receiving an upload begin response that includes an identification for the print file
in response to the upload begin request;

generating an upload request that includes the identification and a data packet
comprising at least a portion of the print file; and
transmitting the upload request over the network.

Claims 29-30 (Canceled)

31. (Previously presented) The method of claim 28, wherein the transferring step further includes, on the client, receiving an upload response in response to the upload request.

32. (Previously presented) The method of claim 31, wherein the transferring step further includes, on the client:

determining that the entire print file has been transmitted;
generating an upload complete response; and
transmitting the upload complete response over the network.

33. (Previously presented) The method of claim 31, wherein the transferring step further includes, on the client:

determining that a portion of the print file has not been transmitted;
generating a subsequent upload request that includes the identification and a data packet comprising at least some of the portion of the print file; and
transmitting the upload request over the network.

34. (Previously presented) The method of claim 31, wherein the transferring step further includes, on the client:

determining that the upload response indicates an error occurrence; and
re-transmitting the upload request over the network.

35. (Previously presented) The method of claim 28, wherein the transferring step further includes, on the client:

receiving an upload resume request;
determining a last data packet successfully transmitted;
generating an upload request for a data packet following the last data packet; and
transmitting the upload request over the network.

36. (Previously presented) A system for communicating a print file over a network, the system comprising:

means for providing system software for use on a client, wherein the system software includes:

a print driver for generating the print file based on a document in response to a print request received from an application; and

an upload manager that automatically transfers the print file over the network in response to the print request using at least one of the HyperText Transport Protocol (HTTP) or the HyperText Transport Protocol Secure (HTTPS); and

a server that includes:

means for receiving an upload begin request for the print file;
means for executing the upload begin request;
means for launching an object based on the upload begin request;
means for creating an identification of the print file using the object;
means for generating an upload begin response that comprises the identification;
means for transmitting the upload begin response over the network; and
means for receiving an upload request that includes the identification and a data packet comprising at least a portion of the print file.

37. (Previously presented) The system of claim 36, further comprising a client that includes the upload manager, wherein the upload manager includes:

means for receiving a request to communicate the print file to the server;
means for generating the upload begin request in response to the request; and
means for transmitting the upload begin request over the network.

38. (Previously presented) A system for communicating a print file over a network, the system comprising a client that includes:

means for receiving a print request for a document from an application;
means for generating the print file based on the document in response to the print request;
and

means for automatically transferring the print file over the network in response to the print request using at least one of the HyperText Transport Protocol (HTTP) or the HyperText Transport Protocol Secure (HTTPS), wherein the means for automatically transferring includes:

means for generating an upload begin request for the print file;

means for transmitting the upload begin request over the network;

means for receiving an upload begin response that includes an identification for the print file in response to the upload begin request;

means for generating an upload request that includes the identification and a data packet comprising at least a portion of the print file; and

means for transmitting the upload request over the network.

39. (Previously presented) A computer-readable medium including instructions for causing a server to implement a method of communicating a print file over a network, the method comprising:

providing system software for use on a client, wherein the system software includes:

a print driver for generating the print file based on a document in response to a print request received from an application; and

an upload manager that automatically transfers the print file over the network in response to the print request using at least one of the HyperText Transport Protocol (HTTP) or the HyperText Transport Protocol Secure (HTTPS);

receiving an upload begin request for the print file;

executing the upload begin request;

launching an object based on the upload begin request;
creating an identification of the print file using the object;
generating an upload begin response that comprises the identification;
transmitting the upload begin response over the network; and
receiving an upload request that includes the identification and a data packet comprising at least a portion of the print file.

40. (Previously presented) A computer-readable medium including instructions for causing a client to implement a method of communicating a print file over a network, the method comprising:

receiving a print request for a document from an application;
generating the print file based on the document in response to the print request; and
automatically transferring the print file over the network in response to the print request using at least one of the HyperText Transport Protocol (HTTP) or the HyperText Transport Protocol Secure (HTTPS), wherein the automatically transferring step includes:
generating an upload begin request for the print file;
transmitting the upload begin request over the network;
receiving an upload begin response that includes an identification for the print file in response to the upload begin request;
generating an upload request that includes the identification and a data packet comprising at least a portion of the print file; and
transmitting the upload request over the network.

41. (Previously presented) The method of claim 21, wherein the print file comprises a page description language (PDL) file.

42. (Previously presented) The system of claim 36, wherein the server comprises a web server.

43. (New) The method of claim 21, wherein the server comprises a web server and the network comprises the Internet.

44. (New) The method of claim 28, further comprising compressing the print file prior to the automatically transferring step.